***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

CW41/HW41: Area of Complex Figures

**Geometry**

**READ ALL DIRECTIONS! Failure to show** ALL WORK **and follow** all directions COMPLETELY **will result in LaSalle.**

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| You will be able to compute the area of a shaded region created by shapes in other shapes. | |
| Criteria for Success: Did you…   * Find familiar shapes within other shapes * Use the correct area formula for each shape. * Set up an equation for the area of the shaded region that included subtraction * Include units in your answer * Examine your answer: Does it make sense? Does it answer the question? | |
| 1. Find the area of the shaded region. | 1. Find the area of the shaded region if the radius of the circle is 6 in. |
| 1. Find the area of the shaded region. All measurements are given in cm. | 1. Find the area of the shaded region. All measurements are given in inches. |
| 1. In the figure below, two white congruent circles just fit into the gray circle. What is the area that appears gray?   4 in | 1. **C:\Users\kramos\Desktop\compsite2.PNG**Find the area of the shaded region. |
| 1. Find the area of the shaded region.   C:\Users\kramos\Desktop\composite3.PNG | 1. **C:\Users\kramos\Desktop\composite4.PNG**Find the area of the shaded region. |
| 1. Find the area of the shaded region.   C:\Users\kramos\Desktop\compsite6.PNG | 1. The square below is inscribed inside the larger square. Find the area of the shaded area below.   C:\Users\kramos\Desktop\compsoite7.PNG |
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